



CONSTRUCTION EQUIPMENT

SPM568223 COASTAL WA VOLVO L120H 632589 - DIESEL ENGINE



Sample No: VCP382583
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM568223 COASTAL WA



SAMPLE INFORMATION

Sample Number	VCP382583	VCP393585	VCP406355	---
Sample Date	30 Jun 2023	02 May 2023	13 Jan 2023	---
Machine Hours	5900	9013	8129	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	13.5	13.3	13.7	---
Base Number (BN)	mg KOH/g	10.9	10.3	6.2	---
Oxidation (PA)	%	76	77	73	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.2	0.4	0.8	---
Nitration (PA)	%	49	61	79	---
Sulfation (PA)	%	60	61	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	6	9	---
Sodium	ppm	1	2	2	---
Potassium	ppm	1	2	3	---



WEAR METALS

Iron	ppm	4	10	37	---
Copper	ppm	<1	0	3	---
Lead	ppm	0	0	4	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	4	12	▲ 32	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	46	57	92	---
Nickel	ppm	0	<1	2	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	1655	1652	1412	---
Magnesium	ppm	600	669	402	---
Zinc	ppm	1010	1338	1214	---
Phosphorus	ppm	832	1039	979	---
Barium	ppm	0	0	2	---
Boron	ppm	78	32	135	---

Depot: VOLVO0095
Unique No: 10562263
Signed: Wes Davis
Report Date: 18 Jul 2023



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GRAPHS

